ABSTRACT

TRACK-FOLLOWING SYSTEM FOR THE RECORDING/READING OF A DATA MEDIUM AND RECORDING MEDIUM

The invention relates to a system for reading a magnetic medium having several tracks of data which can be read in parallel, ~~and comprising~~ with a detection device having at least as many detectors as there are tracks, making it possible to read simultaneously and at regular intervals a sample of data on each track. This system furthermore ~~comprises:~~ includes [[•]] a processing circuit ~~(M1) receiving~~ configured to receive each sample of data ~~(x_i)~~ to be processed from each track [[,]] together with sample [[$(x_{(i-1)})$]] of a first adjacent track and ~~the~~ sample [[$(x_{(i+1)})$]]of a second adjacent track [[,]] and to ~~calculating~~ calculate the cross-talk affecting the sample of data to be processed due to the adjacent tracks [[;]] . [[•]] ~~an~~ An integration circuit ~~(I1) receiving~~ configured to receive the cross-talk value ~~thus~~ calculated by the processing circuit, ~~integrating said~~ integrates these values ~~obtained~~ at each read time, and ~~then integrating the values obtained following~~ at subsequent read times [[;]] . The systems also include [[•]] a relative track-following control circuit ~~(CR) receiving~~ configured to receive the result of integration of the integrator circuit ~~(I1)~~ and ~~supplying~~ to supply a track-following control signal for the detection device.

~~Application: System for reading high-density magnetic tapes.~~

~~**FIGURE 5**~~